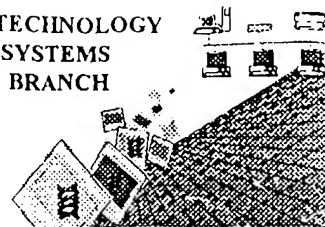# RAW SEQUENCE LISTING
# ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/7/2,359_

Source _1 FW9_

Date Processed by STIC: _11/29/03_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
*Effective 12/13/03*: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
**http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

| ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: 10/712,359 |
|---|---|---|

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."

2 ____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length — Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ____ Skipped Sequences (OLD RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)      SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences (NEW RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ____ Use of <220> — Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

IFWO

RAW SEQUENCE LISTING          DATE: 11/29/2003
PATENT APPLICATION:  US/10/712,359     TIME: 13:13:21

Input Set : **A:\16153-8007.txt**
Output Set: **N:\CRF4\11282003\J712359.raw**

```
 3 <110> APPLICANT: CHANG, Y-H
 4        VETRO, J.A.
 5        MICKA, W.S.
 7 <120> TITLE OF INVENTION: Dominant Negative Variants of Methionine Aminopeptidase
 8        2 ("MetAP2") and Clinical Uses Therefor
10 <130> FILE REFERENCE: 16153-8007
```
C--> 12 **<140> CURRENT APPLICATION NUMBER: US/10/712,359**
C--> 13 **<141> CURRENT FILING DATE: 2003-11-13**
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15 <160> NUMBER OF SEQ ID NOS: 26
17 <170> SOFTWARE: PatentIn Ver. 2.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 71
21 <212> TYPE: PRT
22 <213> ORGANISM: Human polylysine
24 <400> SEQUENCE: 1
25 Lys Lys Lys Arg Arg Lys Lys Lys Lys Ser Lys Gly Pro Ser Ala Ala
26  1               5                  10                  15
28 Gly Glu Gln Glu Pro Asp Lys Glu Ser Gly Ala Ser Val Asp Glu Val
29              20                  25                  30
31 Ala Arg Gln Leu Glu Arg Ser Ala Leu Glu Asp Lys Glu Arg Asp Glu
32          35                  40                  45
34 Asp Asp Glu Asp Gly Asp Gly Asp Gly Asp Gly Ala Thr Gly Lys Lys
35      50                  55                  60
37 Lys Lys Lys Lys Lys Lys Lys
38 65                  70
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 71
43 <212> TYPE: PRT
44 <213> ORGANISM: Mouse polylysine
46 <400> SEQUENCE: 2
47 Lys Lys Lys Arg Arg Lys Lys Lys Lys Gly Lys Gly Ala Val Ser Ala
48  1               5                  10                  15
50 Val Gln Gln Glu Leu Asp Lys Glu Ser Gly Ala Leu Val Asp Glu Val
51              20                  25                  30
53 Ala Lys Gln Leu Glu Ser Gln Ala Leu Glu Glu Lys Glu Arg Asp Asp
54          35                  40                  45
56 Asp Asp Glu Asp Gly Asp Gly Asp Ala Asp Gly Ala Thr Gly Lys Lys
57      50                  55                  60
59 Lys Lys Lys Lys Lys Lys Lys
60 65                  70
63 <210> SEQ ID NO: 3
64 <211> LENGTH: 57
65 <212> TYPE: PRT
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 66 <213> ORGANISM: Saccharomyces polylysine
 68 <400> SEQUENCE: 3
 69 Thr Asp Ala Glu Ile Glu Asn Ser Pro Ala Ser Asp Leu Lys Glu Leu
 70   1               5                  10                  15
 72 Asn Leu Glu Asn Glu Gly Val Glu Gln Gln Asp Gln Ala Lys Ala Asp
 73              20                  25                  30
 75 Glu Ser Asp Pro Val Glu Ser Lys Lys Lys Lys Asn Lys Lys Lys Lys
 76          35                  40                  45
 78 Lys Lys Lys Ser Asn Val Lys Lys Ile
 79      50                  55
 82 <210> SEQ ID NO: 4
 83 <211> LENGTH: 35
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Synthetic oligonucleotide
 87 <400> SEQUENCE: 4
 88 caaccattgt gctgcagctt tcacacccaa tgcag                            35
 90 <210> SEQ ID NO: 5
 91 <211> LENGTH: 35
 92 <212> TYPE: DNA
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
 97       oligonucleotide
 99 <400> SEQUENCE: 5
100 ctgcattggg tgtgaaagct gcagcacaat ggttg                            35
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 478
104 <212> TYPE: PRT
105 <213> ORGANISM: Human dnvMetAP2
107 <220> FEATURE:
108 <221> NAME/KEY: SITE
109 <222> LOCATION: (219)
110 <223> OTHER INFORMATION: May be any naturally occurring amino acid
112 <220> FEATURE:
113 <221> NAME/KEY: SITE
114 <222> LOCATION: (231)
115 <223> OTHER INFORMATION: May be any amino acid, except His
117 <220> FEATURE:
118 <221> NAME/KEY: SITE
119 <222> LOCATION: (251)
120 <223> OTHER INFORMATION: May be any naturally occurring amino acid
122 <220> FEATURE:
123 <221> NAME/KEY: SITE
124 <222> LOCATION: (262)
125 <223> OTHER INFORMATION: May be any naturally occurring amino acid
127 <220> FEATURE:
128 <221> NAME/KEY: SITE
129 <222> LOCATION: (328)
130 <223> OTHER INFORMATION: May be any naturally occurring amino acid
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*invalid response – see item 10 on Err Summary Sheet* (handwritten annotation adjacent to lines 82–85)

RAW SEQUENCE LISTING     DATE: 11/29/2003
PATENT APPLICATION: **US/10/712,359**  TIME: 13:13:21

Input Set : **A:\16153-8007.txt**
Output Set: **N:\CRF4\11282003\J712359.raw**

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133 <221> NAME/KEY: SITE
134 <222> LOCATION: (331)
135 <223> OTHER INFORMATION: May be any naturally occurring amino acid
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138 <221> NAME/KEY: SITE
139 <222> LOCATION: (338)..(339)
140 <223> OTHER INFORMATION: May be any naturally occurring amino acid
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143 <221> NAME/KEY: SITE
144 <222> LOCATION: (364)
145 <223> OTHER INFORMATION: May be any naturally occurring amino acid
147 <220> FEATURE:
148 <221> NAME/KEY: SITE
149 <222> LOCATION: (444)
150 <223> OTHER INFORMATION: May be any naturally occurring amino acid
152 <220> FEATURE:
153 <221> NAME/KEY: SITE
154 <222> LOCATION: (447)
155 <223> OTHER INFORMATION: May be any naturally occurring amino acid
157 <220> FEATURE:
158 <221> NAME/KEY: SITE
159 <222> LOCATION: (459)
160 <223> OTHER INFORMATION: May be any naturally occurring amino acid
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164 1               5                   10                  15
166 Asp Leu Asp Pro Asp Asp Arg Glu Glu Gly Ala Ala Ser Thr Ala Glu
167             20                  25                  30
169 Glu Ala Ala Lys Lys Lys Arg Arg Lys Lys Lys Lys Ser Lys Gly Pro
170         35                  40                  45
172 Ser Ala Ala Gly Glu Gln Glu Pro Asp Lys Glu Ser Gly Ala Ser Val
173         50                  55                  60
175 Asp Glu Val Ala Arg Gln Leu Glu Arg Ser Ala Leu Glu Asp Lys Glu
176 65                  70                  75                  80
178 Arg Asp Glu Asp Asp Glu Asp Gly Asp Gly Asp Gly Asp Gly Ala Thr
179             85                  90                  95
181 Gly Lys Lys Lys Lys Lys Lys Lys Lys Arg Gly Pro Lys Val Gln
182         100                 105                 110
184 Thr Asp Pro Pro Ser Val Pro Ile Cys Asp Leu Tyr Pro Asn Gly Val
185         115                 120                 125
187 Phe Pro Lys Gly Gln Glu Cys Glu Tyr Pro Pro Thr Gln Asp Gly Arg
188     130                 135                 140
190 Thr Ala Ala Trp Arg Thr Thr Ser Glu Glu Lys Lys Ala Leu Asp Gln
191 145                 150                 155                 160
193 Ala Ser Glu Glu Ile Trp Asn Asp Phe Arg Glu Ala Ala Glu Ala His
194             165                 170                 175
196 Arg Gln Val Arg Lys Tyr Val Met Ser Trp Ile Lys Pro Gly Met Thr
197             180                 185                 190
```

```
   199 Met Ile Glu Ile Cys Glu Lys Leu Glu Asp Cys Ser Arg Lys Leu Ile
   200         195             200             205
W-->202 Lys Glu Asn Gly Leu Asn Ala Gly Leu Ala Xaa Pro Thr Gly Cys Ser
   203     210             215             220
   205 Leu Asn Asn Cys Ala Ala Xaa Tyr Thr Pro Asn Ala Gly Asp Thr Thr
   206 225             230             235                 240
   208 Val Leu Gln Tyr Asp Asp Ile Cys Lys Ile Xaa Phe Gly Thr His Ile
   209             245             250                 255
   211 Ser Gly Arg Ile Ile Xaa Cys Ala Phe Thr Val Thr Phe Asn Pro Lys
   212             260             265                 270
   214 Tyr Asp Thr Leu Leu Lys Ala Val Lys Asp Ala Thr Asn Thr Gly Ile
   215         275             280             285
   217 Lys Cys Ala Gly Ile Asp Val Arg Leu Cys Asp Val Gly Glu Ala Ile
   218     290             295             300
   220 Gln Glu Val Met Glu Ser Tyr Glu Val Glu Ile Asp Gly Lys Thr Tyr
   221 305             310             315                 320
   223 Gln Val Lys Pro Ile Arg Asn Xaa Asn Gly Xaa Ser Ile Gly Gln Tyr
   224             325             330                 335
   226 Arg Xaa Xaa Ala Gly Lys Thr Val Pro Ile Val Lys Gly Gly Glu Ala
   227         340             345             350
   229 Thr Arg Met Glu Glu Gly Glu Val Tyr Ala Ile Xaa Thr Phe Gly Ser
   230         355             360             365
   232 Thr Gly Lys Gly Val Val His Asp Asp Met Glu Cys Ser His Tyr Met
   233     370             375             380
   235 Lys Asn Phe Asp Val Gly His Val Pro Ile Arg Leu Pro Arg Thr Lys
   236 385             390             395                 400
   238 His Leu Leu Asn Val Ile Asn Glu Asn Phe Gly Thr Leu Ala Phe Cys
   239             405             410                 415
   241 Arg Arg Trp Leu Asp Arg Leu Gly Glu Ser Lys Tyr Leu Met Ala Leu
   242         420             425             430
   244 Lys Asn Leu Cys Asp Leu Gly Ile Val Asp Pro Xaa Pro Pro Xaa Cys
   245         435             440             445
   247 Asp Ile Lys Gly Ser Tyr Thr Ala Gln Phe Xaa His Thr Ile Leu Leu
   248     450             455             460
   250 Arg Pro Thr Cys Lys Glu Val Val Ser Arg Gly Asp Asp Tyr
   251 465             470             475
   254 <210> SEQ ID NO: 7
   255 <211> LENGTH: 478
   256 <212> TYPE: PRT
   257 <213> ORGANISM: Mouse MetAP2
   259 <220> FEATURE:
   260 <221> NAME/KEY: SITE
   261 <222> LOCATION: (219)
   262 <223> OTHER INFORMATION: May be any naturally occurring amino acid
   264 <220> FEATURE:
   265 <221> NAME/KEY: SITE
   266 <222> LOCATION: (231)
   267 <223> OTHER INFORMATION: May be any amino acid, except His
   269 <220> FEATURE:
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RAW SEQUENCE LISTING                    DATE: 11/29/2003
PATENT APPLICATION:  US/10/712,359      TIME: 13:13:21

Input Set : A:\16153-8007.txt
Output Set: N:\CRF4\11282003\J712359.raw

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270 <221> NAME/KEY: SITE
271 <222> LOCATION: (251)
272 <223> OTHER INFORMATION: May be any naturally occurring amino acid
274 <220> FEATURE:
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276 <222> LOCATION: (262)
277 <223> OTHER INFORMATION: May be any naturally occurring amino acid
279 <220> FEATURE:
280 <221> NAME/KEY: SITE
281 <222> LOCATION: (328)
282 <223> OTHER INFORMATION: May be any naturally occurring amino acid
284 <220> FEATURE:
285 <221> NAME/KEY: SITE
286 <222> LOCATION: (331)
287 <223> OTHER INFORMATION: May be any naturally occurring amino acid
289 <220> FEATURE:
290 <221> NAME/KEY: SITE
291 <222> LOCATION: (338)..(339)
292 <223> OTHER INFORMATION: May be any naturally occurring amino acid
294 <220> FEATURE:
295 <221> NAME/KEY: SITE
296 <222> LOCATION: (364)
297 <223> OTHER INFORMATION: May be any naturally occurring amino acid
299 <220> FEATURE:
300 <221> NAME/KEY: SITE
301 <222> LOCATION: (444)
302 <223> OTHER INFORMATION: May be any naturally occurring amino acid
304 <220> FEATURE:
305 <221> NAME/KEY: SITE
306 <222> LOCATION: (447)
307 <223> OTHER INFORMATION: May be any naturally occurring amino acid
309 <220> FEATURE:
310 <221> NAME/KEY: SITE
311 <222> LOCATION: (459)
312 <223> OTHER INFORMATION: May be any naturally occurring amino acid
314 <400> SEQUENCE: 7
315 Met Ala Gly Val Glu Gln Ala Ala Ser Phe Gly Gly His Leu Asn Gly
316   1               5                  10                  15
318 Asp Leu Asp Pro Asp Asp Arg Glu Glu Gly Thr Ser Ser Thr Ala Glu
319              20                  25                  30
321 Glu Ala Ala Lys Lys Lys Arg Arg Lys Lys Lys Lys Gly Lys Gly Ala
322          35                  40                  45
324 Val Ser Ala Val Gln Gln Glu Leu Asp Lys Glu Ser Gly Ala Leu Val
325          50                  55                  60
327 Asp Glu Val Ala Lys Gln Leu Glu Ser Gln Ala Leu Glu Glu Lys Glu
328 65                  70                  75                  80
330 Arg Asp Asp Asp Asp Glu Asp Gly Asp Gly Asp Ala Asp Gly Ala Thr
331              85                  90                  95
333 Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys Arg Gly Pro Lys Val Gln
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 11/29/2003
PATENT APPLICATION:   US/10/712,359      TIME: 13:13:22

Input Set  : A:\16153-8007.txt
Output Set: N:\CRF4\11282003\J712359.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459
Seq#:7; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459
Seq#:8; Xaa Pos. 162,174,194,205,271,274,281,282,307,387,390,402
Seq#:9; N Pos. 693
Seq#:10; N Pos. 693
Seq#:11; N Pos. 522
Seq#:16; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459
Seq#:18; N Pos. 779